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- b) at least one pinhole mounted before said objective,
- c) means for recording the characteristics of said objective by sending a first laser beam through said pinhole and through said objective or reflecting said beam therefrom to form an object beam,
- d) means for intersecting said object beam with a reference laser beam in a recording medium to form a hologram of said objective, said laser beams being coherent,
- e) means to replace said pinhole with an article and
- f) means to illuminate said article with a beam of the same wavelength as said laser beams so that light therefrom passes through or reflects off said objective and diffracts through or off said hologram and provides a corrected image of said article.

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16. The method of claim 15 employing said objective at a working distance of at least 10 in. from said article.

D 3
33. The method of claim 32 employing said objective at a working distance of at least 10 in. from said article.

REMARKS

Claims 1 – 8, 12 – 26 and 29 - 39 are in the present application.

This amendment is directed to the above Office Action.

The objection to the drawings under 37 C.F.R. 1.83(a) as not showing every feature of the claimed invention is respectfully traversed. That is, microscopes are already shown in Applicant's original drawings, see Figures 4, 6, 12 and 14 for clear examples thereof for those skilled in the art.

Accordingly, no corrected drawings are needed and this objection is believed met.